

Title (en)
Cooling of turbine rotor disk

Title (de)
Kühlung von Turbinenrotorscheibe

Title (fr)
Refroidissement de disque de rotor de turbine

Publication
EP 0636765 B1 19961009 (FR)

Application
EP 94401623 A 19940713

Priority
FR 9308665 A 19930715

Abstract (en)
[origin: EP0636765A1] Turbo machine including a single-piece rotor (26) which has to be ventilated by gas at some other temperature. The ventilation system, adjacent to the flow stream (5) of the propulsion gases is sufficiently separated from this stream, without a material seal, if the ventilation duct (7) is divided into an internal main duct (21) and an external duct (22) in which the ventilation gas is accelerated in order to form an entrainment jacket which the gas in the other duct can not get through. Application to aircraft engines. <IMAGE>

IPC 1-7
F01D 5/08

IPC 8 full level
F02C 7/18 (2006.01); **F01D 5/08** (2006.01)

CPC (source: EP US)
F01D 5/081 (2013.01 - EP US); **F05B 2240/801** (2013.01 - US); **F05D 2240/81** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP US)

Cited by
EP2302173A1; EP3040510A1; EP3144478A1; EP2725191A1; US10125632B2; US10132195B2; US10450960B2; US9482094B2; US8979479B2

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